RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information
Center (STIC) detected errors when processing the following computer readable
form:

Application Serial Number: 10 700,9713

Source: 2-FW8

Date Processed by STIC: 12-8-04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE
   APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A
   NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
        http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is
a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the
United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission
   User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):
   U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby,
   Room 1B03, Arlington, VA 22202

Revised 05/17/04

ERROR DETECTED   **SUGGESTED CORRECTION**   SERIAL NUMBER: 10 700 971 B

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 ___ Wrapped Nucleics
Wrapped Aminos   The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 ___ Invalid Line Length   The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 ___ Misaligned Amino
Numbering   The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 ___ Non-ASCII   The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 ___ Variable Length   Sequence(s) ___ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing

6 ___ PatentIn 2.0
"bug"   A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) ___. Normally, PatentIn would automatically generate this section from the the subsequent amino acid sequence. Please manually copy the relevant <220>-<223> section to previously coded nucleic acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 ___ Skipped Sequences
(OLD RULES)   Sequence(s) ___ missing. If intentional, please insert the following lines for each skipped sequence
(2) INFORMATION FOR SEQ ID NO X (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION SEQ ID NO X (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES" response to include the skipped sequences

8 ___ Skipped Sequences
(NEW RULES)   Sequence(s) ___ missing. If intentional, please insert the following lines for each skipped sequence
<210> sequence id number
<400> sequence id number
000

9 ___ Use of n's or Xaa's
(NEW RULES)   Use of n's and/or Xaa's have been detected in the Sequence Listing
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents

10 ___ Invalid <213>
Response   Per 1.823 of Sequence Rules, the only valid <213> responses are Unknown, Artificial Sequence, or scientific name (Genus/species) <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 ✓ ___ Use of <220>   Sequence(s) ___ missing the <220> "feature" and associated numeric identifiers and responses
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 00/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 ___ PatentIn 2.0
"bug"   Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 ___ Misuse of n/Xaa   "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

AMC – Biotechnology Systems Branch – 09/09/2003

IFWO

```
 3 <110> APPLICANT: Manoharan, Muthiah
 4        Baker, Brenda
 5        Eldrup, Ann
 6        Bhat, Balkrishen
 7        Griffey, Richard H.
 8        Swayze, Eric E.
 9        Crooke, Stanley T.
12 <120> TITLE OF INVENTION: Conjugated Oligomeric Compounds and Their Use in Gene
13        Modulation
15 <130> FILE REFERENCE: US 10/700,971
```
C--> `17 <140> CURRENT APPLICATION NUMBER: US/10/700,971B`
```
18 <141> CURRENT FILING DATE: 2003-11-04
20 <150> PRIOR APPLICATION NUMBER: US 10/616,241
21 <151> PRIOR FILING DATE: 2003-07-09
23 <150> PRIOR APPLICATION NUMBER: US 60/423,760
24 <151> PRIOR FILING DATE: 2002-11-05
26 <150> PRIOR APPLICATION NUMBER: US 10/078,949
27 <151> PRIOR FILING DATE: 2002-02-20
29 <150> PRIOR APPLICATION NUMBER: US 09/479,783
30 <151> PRIOR FILING DATE: 2000-01-07
32 <150> PRIOR APPLICATION NUMBER: US 08/870,608
33 <151> PRIOR FILING DATE: 1997-06-06
35 <150> PRIOR APPLICATION NUMBER: US 08/659,440
36 <151> PRIOR FILING DATE: 1996-06-06
39 <160> NUMBER OF SEQ ID NOS: 26
41 <170> SOFTWARE: PatentIn version 3.2
43 <210> SEQ ID NO: 1
44 <211> LENGTH: 16
45 <212> TYPE: PRT
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: Antennapodia helix 3 Antp-HD
51 <400> SEQUENCE: 1
53 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
54 1               5                   10                  15
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59 <211> LENGTH: 13
60 <212> TYPE: PRT
61 <213> ORGANISM: Artificial Sequence
63 <220> FEATURE:
64 <223> OTHER INFORMATION: HIV Tat fragment
66 <400> SEQUENCE: 2
68 Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Pro Pro Gln
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Does Not Comply
Corrected Diskette Needed
(PJ.S)

```
69 1               5                    10
72 <210> SEQ ID NO: 3
73 <211> LENGTH: 27
74 <212> TYPE: PRT
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: Transporton: chimeric galanin and mastoporan
80 <400> SEQUENCE: 3
82 Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro Ile Asn Leu
83 1               5                    10                   15
85 Lys Ala Leu Ala Ala Leu Ala Lys Lys Ile Leu
86              20                    25
89 <210> SEQ ID NO: 4
90 <211> LENGTH: 34
91 <212> TYPE: PRT
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Peptide - HSV VP22
97 <400> SEQUENCE: 4
99 Asp Ala Ala Thr Ala Thr Arg Gly Arg Ser Ala Ala Ser Arg Pro Thr
100 1              5                    10                   15
102 Glu Arg Pro Arg Ala Pro Ala Arg Ser Ala Ser Arg Pro Arg Arg Pro
103             20                    25                   30
105 Val Glu
108 <210> SEQ ID NO: 5
109 <211> LENGTH: 18
110 <212> TYPE: PRT
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Amphiphilic peptide
116 <400> SEQUENCE: 5
118 Lys Leu Ala Leu Lys Leu Ala Leu Lys Ala Leu Lys Ala Ala Leu Lys
119 1              5                    10                   15
121 Leu Ala
124 <210> SEQ ID NO: 6
125 <211> LENGTH: 27
126 <212> TYPE: PRT
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Signal sequence based peptide I
132 <400> SEQUENCE: 6
134 Gly Ala Leu Phe Leu Gly Trp Leu Gly Ala Ala Gly Ser Thr Met Gly
135 1              5                    10                   15
137 Ala Trp Ser Gln Pro Lys Lys Lys Arg Lys Val
138             20                    25
141 <210> SEQ ID NO: 7
142 <211> LENGTH: 16
143 <212> TYPE: PRT
144 <213> ORGANISM: Artificial Sequence
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RAW SEQUENCE LISTING   DATE: 12/08/2004
PATENT APPLICATION: US/10/700,971B   TIME: 16:00:12

         Input Set : A:\ISIC0009-101.txt
         Output Set: N:\CRF4\12072004\J700971B.raw

146 <220> FEATURE:
147 <223> OTHER INFORMATION: Signal sequence based peptide II
149 <400> SEQUENCE: 7
151 Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro
152 1   5   10   15
155 <210> SEQ ID NO: 8
156 <211> LENGTH: 7
157 <212> TYPE: PRT
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: SV40 antigen T nuclear localization signal
163 <400> SEQUENCE: 8
165 Pro Lys Lys Lys Arg Lys Val
166 1   5
169 <210> SEQ ID NO: 9
170 <211> LENGTH: 4
171 <212> TYPE: PRT
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Platelet activitating factor receptor of neutrophils
177 <400> SEQUENCE: 9
179 Met Leu Phe Tyr
180 1
183 <210> SEQ ID NO: 10
184 <211> LENGTH: 15
185 <212> TYPE: PRT
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Peptide - FXR2P
191 <400> SEQUENCE: 10
193 Pro Gln Arg Arg Asn Arg Ser Arg Arg Arg Phe Arg Gly Gln
194 1   5   10   15
197 <210> SEQ ID NO: 11
198 <211> LENGTH: 7
199 <212> TYPE: PRT
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Angiogenin
205 <400> SEQUENCE: 11
207 Ile Met Arg Arg Arg Gly Leu
208 1   5
211 <210> SEQ ID NO: 12
212 <211> LENGTH: 11
213 <212> TYPE: PRT
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: HIV-1 Rev
219 <400> SEQUENCE: 12
221 Leu Gln Leu Pro Pro Leu Glu Arg Leu Thr Leu

RAW SEQUENCE LISTING   DATE: 12/08/2004
PATENT APPLICATION: **US/10/700,971B**   TIME: 16:00:12

Input Set : **A:\ISIC0009-101.txt**
Output Set: **N:\CRF4\12072004\J700971B.raw**

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230 <220> FEATURE:
231 <223> OTHER INFORMATION: PKI-alpha
233 <400> SEQUENCE: 13
235 Glu Leu Ala Leu Lys Leu Ala Gly Leu Asp Ile
236 1               5                    10
239 <210> SEQ ID NO: 14
240 <211> LENGTH: 11
241 <212> TYPE: PRT
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: MAPKK
247 <400> SEQUENCE: 14
249 Asp Leu Gln Lys Lys Leu Glu Glu Leu Glu Leu
250 1               5                    10
253 <210> SEQ ID NO: 15
254 <211> LENGTH: 12
255 <212> TYPE: PRT
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Actin
261 <400> SEQUENCE: 15
263 Ala Leu Pro His Ala Ile Met Arg Leu Asp Leu Ala
264 1               5                    10
267 <210> SEQ ID NO: 16
268 <211> LENGTH: 7
269 <212> TYPE: PRT
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <223> OTHER INFORMATION: Simian virus 40 large tumor antigen
275 <400> SEQUENCE: 16
277 Pro Lys Lys Lys Arg Lys Val
278 1               5
281 <210> SEQ ID NO: 17
282 <211> LENGTH: 13
283 <212> TYPE: PRT
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Dermaseptin
289 <400> SEQUENCE: 17
291 Ala Leu Trp Lys Thr Leu Leu Lys Lys Val Leu Lys Ala
292 1               5                    10
295 <210> SEQ ID NO: 18
296 <211> LENGTH: 4
297 <212> TYPE: PRT
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      Input Set : A:\ISIC0009-101.txt
      Output Set: N:\CRF4\12072004\J700971B.raw
298 <213> ORGANISM: Artificial Sequence
300 <220> FEATURE:
301 <223> OTHER INFORMATION: Peptide
303 <400> SEQUENCE: 18
305 Lys Asp Glu Leu
306 1
308 <210> SEQ ID NO: 19
309 <211> LENGTH: 21
310 <212> TYPE: DNA
311 <213> ORGANISM: Artificial Sequence
313 <220> FEATURE:
314 <223> OTHER INFORMATION: oligonucleotide
316 <400> SEQUENCE: 19
317 cgagaggcgg acgggaccgt t                                    21
320 <210> SEQ ID NO: 20
321 <211> LENGTH: 21
322 <212> TYPE: DNA
323 <213> ORGANISM: Artificial Sequence
325 <220> FEATURE:
326 <223> OTHER INFORMATION: oligonucleotide
328 <400> SEQUENCE: 20
329 ttgctctccg cctgccctgg c                                    21
332 <210> SEQ ID NO: 21
333 <211> LENGTH: 21
334 <212> TYPE: DNA
335 <213> ORGANISM: Artificial Sequence
337 <220> FEATURE:
338 <223> OTHER INFORMATION: oligonucleotide - cRaf targeter
340 <400> SEQUENCE: 21
341 augcauguca caggcgggat t                                    21
344 <210> SEQ ID NO: 22
345 <211> LENGTH: 21
346 <212> TYPE: DNA
347 <213> ORGANISM: Artificial Sequence
349 <220> FEATURE:
350 <223> OTHER INFORMATION: oligonucleotide - cRaf targeter
352 <400> SEQUENCE: 22
353 ucccgccugu gacaugcaut t                                    21
356 <210> SEQ ID NO: 23
357 <211> LENGTH: 18
358 <212> TYPE: DNA
359 <213> ORGANISM: Artificial Sequence
361 <220> FEATURE:
362 <223> OTHER INFORMATION: antisense oligonucleotide
364 <400> SEQUENCE: 23
365 tgggagccat agcgaggc                                        18
368 <210> SEQ ID NO: 24
369 <211> LENGTH: 20
370 <212> TYPE: DNA
```

Handwritten annotations: Pls explain source of genetic material. See item #11 on error summary sheet. — Invalid Response

VERIFICATION SUMMARY   DATE: 12/08/2004
PATENT APPLICATION: **US/10/700,971B**   TIME: 16:00:13

Input Set : **A:\ISIC0009-101.txt**
Output Set: **N:\CRF4\12072004\J700971B.raw**

ı:17 M:270 C: Current Application Number differs, Replaced Current Application Number